NWS FORM E-5 (11-88) (PRES. BY WSOM E-41)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) **WFO Jackson, Mississippi**
MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS		REPORT FOR: MONTH YEAR **November 2001**
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		SIGNATURE **Jim Stefkovich, MIC** **In Charge of HSA** DATE **December 21st , 2001**

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (WSOM E-41)

Two thirds of the month of November was characterized by drier than normal rainfall. No rainfall had been reported in well over a month; however, by month end much of the talk about drought had come to an abrupt halt. Several fast moving frontal systems pushed through the HSA, the first pushed through on the 19th bringing very scattered rainfall with amounts less than 1/4 inch. A fast moving squall line formed ahead of the second cold front bringing strong thunderstorms and brief heavy rainfall. Rainfall amounts ranged from 1 to 1½ inches over the HSA.

A third cold front to affect the HSA was not as progressive as the first two. The front slowed as it approached western and northwest portions of the HSA. From late on the 26th to the 29th, rainfall amounts over this area ranged from 7 to 11 1/2 inches. The front pushed through the remainder of the HSA during the day on the 29th. Rainfall amounts ranging from 2 to 5 inches with isolated amounts up to 7 inches were reported. Heaviest rainfall (84 hour totals) were at Vidalia, LA (15.17 inches), Moorhead, MS (11.13 inches), Greenville, MS (11.00 inches)

Over a month without rainfall, Soils were allowed to significantly dry out. The rainfall from 26th to 29th caused significant flooding and river flood problems over northeast LA, southeast AR, Lower Yazoo River basin and Big Black River basin. Many rivers in northeast LA were in flood or forecast to approach minor flood. In the Yazoo River system, many rivers were in flood or forecast to approach moderate and major flood categories. The Big Black was in flood or forecast to approach moderate to major flood categories. The upper pearl had significant rises in which several were forecast to rise to near flood stage. Heavy rainfall over east and southeast MS caused moderate rises to be observed over the Chickasawhay River. Flooding and river flooding would have been much worse if it weren't for the dry soils prior to the event.

The heavy rainfall event at the end of the month produced well above normal rainfall totals for western and northwestern portions of the HSA while slightly below normal rainfall was reported over the extreme upper Pearl River basin and the lower portions of the Pascagoula :

RIVER BASIN	***RAINFALL***	***DEPARTURE FROM NORMS***
Southeast Arkansas (Chicot & Ashley counties)	*8.50 to 15.00 inches*	*Much above normal*
northeast Louisiana (Tensas, Boeuf, Bayou Macon & Lower Ouachita)	*8.00 to 12.00 inches*	*Much above normal*
Lower Yazoo	*6.00 to 12.50 inches*	*Slightly above to much above normal*
Big Black	*6.00 to 11.50 inches*	*Above normal to much above normal*
Homochitto/ Bayou Pierre	*5.00 to 8.00 inches*	*Near normal to well above normal*
Pearl(abv Jackson)	*3.25 to 8.25 inches*	*Below normal (upper basin) to well above normal (lower basin)*
Pearl(Blo Jackson)	*2.25 to 7.00 inches*	*Much below normal (lower basin) to well above normal (upper basin)*
Pascagoula	*3.00 to 8.00 inches*	*Below normal over the lower basin to much above normal over the middle of the basin.*

The heaviest rainfall amounts in the HSA for the month were 15.32 inches at Vidalia, LA; 12.55 inches at Moorhead, MS; 11.74 inches at Stoneville Experimental Station, MS; 11.71 inches at Lake Providence, LA; 11.55 inches at Winnsboro, LA; 11.39 at Eudora, AR; and 11.30 at Greenville, MS.

Here at the WFO, the monthly rainfall was 6.29 inches, which was 1.48 inches above normal. Our total for the calendar year ending November 30th stands at 60.15 inches, which is 10.69 inches above normal.

The Mississippi River from Arkansas City to Natchez reversed last months trend. River stages during the first half of the month were higher than seasonal norms; however, during the second half of the month, river stages were much below the seasonal norms. The provisional high and low stages for November are listed below:

Location	High Stage(ft)	Date	Low Stage(ft)	Date
Arkansas City, AR	12.13	11/01	-0.78	11/25
Greenville, MS	23.58	11/01	10.60	11/25
Vicksburg, MS	17.08	11/02	3.06	11/26
Natchez,MS	23.19	11/04	10.18	11/27

Total Warnings issued for forecast points in Flood Warnings: 14
Total statements issued for forecast points in Flood Statements: 43
Daily Rainfall Products (RRA'S) issued 31
Daily River Forecast Products (RVS'S) issued 33
Daily River Stage products (RVA'S) issued 31

Marty V. Pope
Service Hydrologist

cc: USGS Little Rock District
USGS Ruston District
USCE Mobile District
USCE Vicksburg District
USCE Mississippi Valley Division
USGS Mississippi District
SRH Climate, Weather and Water Division
LMRFC
Pearl River Valley Water Supply District
Hydrologic Information Center
Southern Region Climate Center